

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("7038707").PN.	US-PGPUB; USPAT	OR	OFF	2008/07/15 09:20
L2	5	("20010055129"   "20030179396"   "5565995"   "5999202"   "6751346").PN. OR ("7038707").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 09:21
L3	3	2 and pulse	US-PGPUB; USPAT	OR	ON	2008/07/15 09:55
L4	2	2 not 3	US-PGPUB; USPAT	OR	ON	2008/07/15 09:55
L5	108732	(single\$1 colo\$1r (single adj colo\$1r) mono\$1 colo\$1r (mono adj colo\$1r) monochrom\$4 uni\$1 colo\$1r)	US-PGPUB; USPAT	OR	ON	2008/07/15 10:26
L6	108394	(single\$1 colo\$1r (single adj colo\$1r) mono\$1 colo\$1r (mono adj colo\$1r) monochrom\$4)	US-PGPUB; USPAT	OR	ON	2008/07/15 10:26
L7	338	5 not L6	US-PGPUB; USPAT	OR	ON	2008/07/15 10:26
L53	6551606	((line\$1 text character\$1 detail\$1) CAD (computer with aid\$2 with (design draw\$3)))	US-PGPUB; USPAT	OR	ON	2008/07/15 11:13
L54	2820903	(((thin fine) with (line\$1 text character\$1 detail\$1)) character\$1 text CAD (computer with aid\$2 with (design draw\$3)))	US-PGPUB; USPAT	OR	ON	2008/07/15 11:13
L55	3730703	53 not L54	US-PGPUB; USPAT	OR	ON	2008/07/15 11:13
L56	72774	(PWM (((pulse adj width) (pulse\$1width)) with (modulat\$3 laser LED)))	US-PGPUB; USPAT	OR	ON	2008/07/15 11:15
L57	4439	single adj3 (toner colorant)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:15
L58	82	55 and (7 L57) and L56	US-PGPUB; USPAT	OR	ON	2008/07/15 11:15
L59	33	58 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 11:16
L60	49	58 NOT 59	US-PGPUB; USPAT	OR	ON	2008/07/15 11:16
L61	18689	over\$1print\$3 (over adj print\$3) under\$1print\$3 (under adj print\$3)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:38
L62	91053	(over under overlay\$3) with (toner dots ink)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:38
L63	86735	(5 61 62) not L6	US-PGPUB; USPAT	OR	ON	2008/07/15 11:39
L64	838	55 and (63 L57) and L56	US-PGPUB; USPAT	OR	ON	2008/07/15 11:40
L66	25	399/3.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41

## EAST Search History

L67	109	399/31.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L68	76	399/32.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L69	193	399/38.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L70	117	399/39.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L71	57	399/40.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L72	449	399/50.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L73	254	399/51.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L74	297	399/53.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L75	71	399/54.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L76	178	399/58.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L77	115	399/60.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L78	734	399/66.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L79	394	399/67.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L80	165	399/77.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L81	565	399/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L82	215	399/121.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L83	202	399/122.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L84	13	399/134.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L85	108	399/138.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L86	76	399/177.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L87	210	399/178.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L88	70	399/203.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L89	343	399/260.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41

## EAST Search History

L90	665	101/365.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L91	49	347/124.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L92	265	347/140.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L93	5969	358/1.9.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L94	866	358/3.26.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L95	1813	358/296.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L96	809	358/300.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L97	428	358/501.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L98	285	358/502.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L99	2509	358/518.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L100	454	358/521.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L101	382	358/530.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L102	16450	L66 L67 L68 L69 L70 L71 L72 L73 L74 L75 L76 L77 L78 L79 L80 L81 L82 L83 L84 L85 L86 L87 L88 L89 L90 L91 L92 L93 L94 L95 L96 L97 L98 L99 L100 L101	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L103	90	64 AND L102	US-PGPUB; USPAT	OR	ON	2008/07/15 11:41
L104	60	103 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 11:42
L105	30	103 NOT 104	US-PGPUB; USPAT	OR	ON	2008/07/15 11:42
L106	748	64 NOT (104 105)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:43
L107	362	106 and ("358".clas. "347".clas. "399".clas. )	US-PGPUB; USPAT	OR	ON	2008/07/15 11:43
L108	216	107 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 11:43
L109	146	107 not 108	US-PGPUB; USPAT	OR	ON	2008/07/15 11:44
L110	386	64 NOT (104 105 108 109)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:44
L111	192	110 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 11:44

## EAST Search History

L112	194	110 not 111	US-PGPUB; USPAT	OR	ON	2008/07/15 11:45
L113	0	64 NOT (104 105 108 109 111 112)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:45
L114	91260	(over under overlay\$3) with (toner dot\$1 ink)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:46
L115	207	114 NOT 62	US-PGPUB; USPAT	OR	ON	2008/07/15 11:47
L117	195	(5 61 115) not (L6 63)	US-PGPUB; USPAT	OR	ON	2008/07/15 11:48
L118	78	55 and (117 L57) and L56	US-PGPUB; USPAT	OR	ON	2008/07/15 11:49
L119	33	118 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 11:49
L120	45	118 NOT 119	US-PGPUB; USPAT	OR	ON	2008/07/15 11:50
L121	6	("2001/0013939").URPN.	USPAT	OR	ON	2008/07/15 11:54
L140	119586	(PWM (((pulse adj width) (pulse\$1width)) with (modulat\$3 laser LED))) ((increas\$3 decreas\$3 less more great\$2 high\$3 low\$3) with exposure with (time duration))	US-PGPUB; USPAT	OR	ON	2008/07/15 12:22
L141	11160	53 and (5 57 61 114) and L140	US-PGPUB; USPAT	OR	ON	2008/07/15 12:23
L142	10322	141 not (58 64 118)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:24
L143	638	142 and 102	US-PGPUB; USPAT	OR	ON	2008/07/15 12:24
L144	463	143 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 12:24
L145	175	143 NOT 144	US-PGPUB; USPAT	OR	ON	2008/07/15 12:24
L146	9684	142 NOT (144 145)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:25
L147	2055	146 and ("358".clas. "347".clas. "399".clas.)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:25
L148	29	147 and (CAD (computer with aid\$2 with (design draw\$3)))	US-PGPUB; USPAT	OR	ON	2008/07/15 12:26
L149	17	148 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 12:26
L150	12	148 not 149	US-PGPUB; USPAT	OR	ON	2008/07/15 12:26
L151	2026	147 not (149 150)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:27
L153	1220	151 and toner	US-PGPUB; USPAT	OR	ON	2008/07/15 12:29

## EAST Search History

L154	707	153 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 12:29
L155	513	153 not 154	US-PGPUB; USPAT	OR	ON	2008/07/15 12:30
L156	806	147 not (149 150 154 155)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:31
L157	610	156 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 12:31
L158	196	156 not 157	US-PGPUB; USPAT	OR	ON	2008/07/15 12:32
L159	0	147 not (149 150 154 155 157 158)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:32
L160	8267	142 not (149 150 154 155 157 158)	US-PGPUB; USPAT	OR	ON	2008/07/15 12:33
L161	9	("4214249"   "4912568"   "5055943"   "5124835"   "5495278"   "5557449"   "5596444"   "5920645"   "6167007").PN. OR ("6690486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 12:50
L162	13	("4599285"   "4679929"   "5023632"   "5184226"   "5252995"   "5260799"   "5296877"   "5450211"   "5504462"   "5519815"   "5561743"   "6111593").PN. OR ("6285463").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 12:58
L163	32	("4150400"   "4460909"   "4544264"   "4677493"   "4814797"   "4868587"   "5062002"   "5128698"   "5162821"   "5189441"   "5220416"   "5241324"   "5252995"   "5299308").PN. OR ("5438437").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:04
L172	53	161 162 163	US-PGPUB; USPAT	OR	ON	2008/07/15 17:54
L174	53	172 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 17:54
L175	29	174 and pulse	US-PGPUB; USPAT	OR	ON	2008/07/15 17:54
L176	24	174 not 175	US-PGPUB; USPAT	OR	ON	2008/07/15 17:55
L177	0	172 not (175 176)	US-PGPUB; USPAT	OR	ON	2008/07/15 17:56
L178	241	358/469.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/15 19:17
L179	59	178 and @ad<= "20030213"	US-PGPUB; USPAT	OR	ON	2008/07/15 19:17
L180	182	178 not 179	US-PGPUB; USPAT	OR	ON	2008/07/15 19:17
S14 9	8	(MURAMATSU with MIZUKI).in.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:09

## EAST Search History

S15 0	48924	(CANON with KABUSHIKI with KAISHA).as.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:10
S15 1	49007	(CANON with KABUSHIKI).as.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:10
S15 2	49743	(CANON).as.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:10
S15 3	4034	((thin adj line) CAD (computer with aid\$2 with (design draw\$3))).clm.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:12
S15 4	2205	(single\$1colo\$1r (single adj colo\$1r)).clm.	US-PGPUB; USPAT	OR	ON	2008/07/14 19:13
S15 5	130	(S149 S150 S151 S152) and (S153 S154)	US-PGPUB; USPAT	OR	ON	2008/07/14 19:14
S15 6	129	S155 not S149	US-PGPUB; USPAT	OR	ON	2008/07/14 19:14
S15 7	25	399/3.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S15 8	108	399/31.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S15 9	76	399/32.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 0	193	399/38.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 1	117	399/39.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 2	57	399/40.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 3	449	399/50.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 4	254	399/51.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 5	297	399/53.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 6	71	399/54.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:15
S16 7	178	399/58.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S16 8	115	399/60.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S16 9	734	399/66.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S17 0	394	399/67.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S17 1	165	399/77.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S17 2	565	399/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16

## EAST Search History

S17 3	215	399/121.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S17 4	202	399/122.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:16
S17 5	13	399/134.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S17 6	108	399/138.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S17 7	76	399/177.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S17 8	210	399/178.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S17 9	70	399/203.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S18 0	343	399/260.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S18 1	665	101/365.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:17
S18 2	49	347/124.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:18
S18 3	265	347/140.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:18
S18 4	5966	358/1.9.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:19
S18 5	865	358/3.26.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:20
S18 6	1812	358/296.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:20
S18 7	809	358/300.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:20
S18 8	428	358/501.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:21
S18 9	285	358/502.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:21
S19 0	2506	358/518.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:21
S19 1	454	358/521.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:21
S19 2	382	358/530.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/14 21:21
S19 3	16441	S157 S158 S159 S160 S161 S162 S163 S164 S165 S166 S167 S168 S169 S170 S171 S172 S173 S174 S175 S176 S177 S178 S179 S180 S181 S182 S183 S184 S185 S186 S187 S188 S189 S190 S191 S192	US-PGPUB; USPAT	OR	ON	2008/07/14 21:22

## EAST Search History

S19 7	108313	(single\$1 colo\$1r (single adj colo\$1r) mono\$1 colo\$1r (mono adj colo\$1r) monochrom\$4)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:28
S20 0	72719	(PWM (((pulse adj width) (pulse\$1width)) with (modulat\$3 laser LED)))	US-PGPUB; USPAT	OR	ON	2008/07/14 21:33
S20 4	4435	single adj3 (toner colorant)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:38
S20 9	2820271	((thin fine) with (line\$1 text character\$1 detail\$1)) character\$1 text CAD (computer with aid\$2 with (design draw\$3)))	US-PGPUB; USPAT	OR	ON	2008/07/14 21:42
S21 0	2203	S209 and (S197 S204) and S200	US-PGPUB; USPAT	OR	ON	2008/07/14 21:42
S21 1	245	S210 and S193	US-PGPUB; USPAT	OR	ON	2008/07/14 21:42
S21 2	178	S211 and @ad<="20030213"	US-PGPUB; USPAT	OR	ON	2008/07/14 21:43
S21 3	67	S211 not S212	US-PGPUB; USPAT	OR	ON	2008/07/14 21:44
S21 4	1958	S210 not (S212 S213)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:45
S21 6	599	S214 and toner	US-PGPUB; USPAT	OR	ON	2008/07/14 21:47
S21 7	292	S216 and @ad<="20030213"	US-PGPUB; USPAT	OR	ON	2008/07/14 21:47
S21 8	307	S216 not S217	US-PGPUB; USPAT	OR	ON	2008/07/14 21:48
S21 9	1359	S210 not (S212 S213 S217 S218)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:48
S22 0	282	S219 and ((laser with beam with print\$3) copier photocopier electrophotographic\$4 electrostatic\$4)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:48
S22 1	149	S220 and @ad<="20030213"	US-PGPUB; USPAT	OR	ON	2008/07/14 21:48
S22 2	133	S220 not S221	US-PGPUB; USPAT	OR	ON	2008/07/14 21:49
S22 3	1077	S210 not (S212 S213 S217 S218 S221 S222)	US-PGPUB; USPAT	OR	ON	2008/07/14 21:50